

Abir Panda

[LinkedIn](#) | [Github](#) | Leetcode

TECHNICAL SKILLS

Languages: Python [Advanced], JavaScript [Intermediate], C++ [Intermediate]

Frontend: React.js, Next.js 14, Tailwind CSS, ShadCN/UI, HTML5, CSS3, Vitest, Jest

Backend: Node.js, Express.js, PostgreSQL (Prisma), MongoDB, Firebase, REST APIs, GO

Databases: MongoDB, PostgreSQL, Prisma, MySQL, Redis

Tools and Platform : Git, GitHub, Docker, Google Calendar API, Gmail API, Google OAuth, Bruno

PERSONAL STATEMENT

Design-centric Software Engineer bridging the gap between brutalist aesthetics and complex backend logic. I build tools that look as good as they perform from the **dRhooks** UI library to real-time AI audio processors. Seeking to apply a unique blend of **Systems Thinking** and **UX Architecture** to build meaningful, user-first products.

PROJECTS

[dRhooks](#) | [GitHub Repo](#)

Sept 2025 – Oct 2025

- **Tech:** Next.js 14, TypeScript, Tailwind, ShadCN/UI, Lucide React
- **Problem Solved:** Architected a tree-shakeable registry with **zero dependencies**, enabling **<2 min** integration.
- **Metrics:** Achieved **~2KB bundle size**, **<1ms init time**, and **100% TypeScript coverage**.
- **Learning:** Modular design, registry.json, advanced TypeScript patterns.

[NirvanaFlow](#) | [GitHub Repo](#)

Aug 2025 – Sept 2025

- **Tech:** Next.js 14, TypeScript, Tailwind, Firebase Auth, MongoDB Atlas, Groq AI, Google APIs
- **ProblemSolved:** Unified scattered workflows into one intelligent workspace with automated urgency detection.
- **Metrics:** Scaled to **500+ users** with **<2s P95 latency**, **O(1) DB lookups**, and **99.5% availability**.
- **Learning:** How to design an Algorithm by creating an **Urgency Scoring Engine** (Decay/VIP) processing email batches in **<3s** under API limits.

[Mock AI-Interviewer](#) | [GitHub Repo](#)

May 2025 – June 2025

- **Tech:** Next.js 14, TypeScript, Tailwind, Firebase Auth, MongoDB Atlas, Groq AI, Google APIs
- **Problem:** Engineered a real-time simulator mimicking interviewer interruptions and pressure.
- **Metrics:** Handled **100+ concurrent calls** with **<500ms audio latency** and **<3s** AI analysis.
- **Learning:** Mastered **WebRTC** negotiation and **Async Audio Stream** handling

EDUCATION ENROLLMENT

Kalvium's UG program in CS (Software Product Engineering)

2024-28

Campus: Apollo/Chittoor | Bachelor's enrollment: B.Tech, Apollo

ACHIEVEMENTS & EXTRACURRICULARS

- **Honors:** Winner, Apollo University-[Hackathon](#); Finalist, [PromptrepoAihackathon](#) and [Codestorm2k24](#); **9.3/10.0 CGPA**.
- **Leadership:** Student Coordinator (Arts Club); Mentored peers in Digital Art & Creative Engineering.
- **Interests:** Deeply interested in art, Minimalist Design ("Form Follows Function"), [Pixel Art](#), Literature, Intellectual history and how philosophical ideas shape society and power structure.